

Appl. No.: (not yet assigned)
(U.S. National Stage of PCT/AT03/00218)
Preliminary Amdt. Dated February 2, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1. (Currently Amended) An end position detector for movable switch parts, comprising a rod assembly and a housing, into which the rod assembly penetrates and in which at least one sensor for sensing an end position of the rod assembly is arranged, characterized in ~~that wherein~~

the rod assembly is connected to ~~the~~ a movable switch part (3) such that it can is adapted to be pivoted in a vertical plane that lies transverse to ~~the~~ a longitudinal direction of the rails, and in ~~that~~

the rod assembly comprises at least one rod (8) of circular cross section, wherein said rod (8) in its region in a region of said rod (8) that penetrates into the housing (12) in a sealed fashion carries on its a periphery of said rod (8) at least one switching flank (13) that cooperates with a switch contact (16).

2. (Currently Amended) End position detector according to Claim 1, characterized in ~~that wherein~~ the housing (12) is connected to a stationary part of the switch such that it can is

adapted to be pivoted in a vertical plane that lies transverse to the longitudinal direction of the rails.

3. (Currently Amended) End position detector according to Claim 1 or 2, characterized in that the, wherein pivot support is achieved by utilizing elastic connecting elements and/or or spherical bearings.

4. (Currently Amended) End position detector according to Claim 1, 2 or 3, characterized in that wherein the rod assembly is connected to the movable switch part (3) such that it can is adapted to be displaced in the longitudinal direction of the rails.

5. (Currently Amended) End position detector according to one of Claims 1 to 4, characterized in that Claim 1, wherein the rod assembly is connected to a vertical bolt (10) that is guided in a sliding fashion in an oblong hole (14) that essentially extends in the longitudinal direction (15) of the rails and is arranged in a base plate (4) of the movable switch part (3).

6. (Currently Amended) End position detector according to one of Claims 1 to Claim 5, characterized in that wherein the bolt (10) has comprises a spherical contact surface (20) or carries a sliding ring with a spherical contact surface in the a region of its a section of said bolt (10) that penetrates into the oblong hole (14).

7. (Currently Amended) End position detector according to one of Claims 1 to 6, characterized in that Claim 5, wherein the rod (8) is connected to the bolt (10) in an angularly rigid fashion, preferably at an angle of 90°, via a connecting element (9).

8. (Currently Amended) End position detector according to one of Claims 1 to 7, characterized in that Claim 5, wherein the rod (8) or the a connecting element (9) engages on the bolt (10) via spring elements (23) that act in the a direction of the a longitudinal axis (25) of the bolt (10).

9. (Currently Amended) End position detector according to ~~one of Claims 1 to 8~~, characterized in that Claim 1, wherein the switching flank (13) ~~can~~ is adapted to be adjusted in the an axial direction of the rod (8).

10. (Currently Amended) End position detector according to Claim 9, characterized in that wherein the switching flank (13) is realized in the form of ~~the~~ an end face of a tube (32) that ~~can~~ is adapted to be screwed on the rod (8).

11. (Currently Amended) End position detector according to ~~one of Claims 1 to 10~~, characterized in that Claim 1, wherein the an effective length of the rod (8) ~~can be varied is variable~~ and adapted to ~~the~~ a respective travel stroke of the movable switch part (3).

12. (Currently Amended) End position detector according to ~~one of Claims 1 to 11~~, characterized in that Claim 1, wherein the rod (8) ~~is provided with~~ comprises an outside thread (26) on ~~its~~ an end of said rod (8) that faces the movable switch part (3), ~~and~~ wherein the rod ~~can~~ is adapted to be screwed into an inside thread of a part that is connected to the movable switch part (3), ~~preferably the connecting element (9)~~, and fixed in ~~the~~ a respective position.

13. (Currently Amended) End position detector according to ~~one of Claims 1 to 12~~, characterized in that Claim 1, wherein the rod assembly and the housing (12) are accommodated in a trough-like sleeper (5) or in a stationary switch part.

14. (Currently Amended) End position detector according to ~~one of Claims 1 to 13~~, characterized in that Claim 1, wherein the housing (12) comprises a guide tube (11), the length of which is greater than ~~the~~ a maximum travel stroke of the movable switch part (3), wherein the rod (8) is guided in said guide tube in a sliding fashion.

15. (Currently Amended) End position detector according to ~~one of Claims 1 to 14~~, characterized in that wherein the switch (16) comprises a spring-loaded plunger (29) that

engages into ~~the~~ a groove defined by the switching flank (13) in ~~the~~ a correct end position of the movable switch part (3).

16. (New) End position detector according to Claim 7, wherein the rod (8) is connected to the bolt (10) in an angularly rigid fashion at an angle of approximately 90°.

17. (New) End position detector according to Claim 12, wherein the part that is connected to the movable switch part (3) is a connecting element (9).

18. (New) End position detector according to Claim 2, wherein pivot support is achieved by utilizing elastic connecting elements or spherical bearings.

19. (New) End position detector according to Claim 2, wherein the rod assembly is connected to the movable switch part (3) such that it is adapted to be displaced in the longitudinal direction of the rails.

20. (New) End position detector according to Claim 2, wherein the rod assembly is connected to a vertical bolt (10) that is guided in a sliding fashion in an oblong hole (14) that essentially extends in the longitudinal direction (15) of the rails and is arranged in a base plate (4) of the movable switch part (3).